Microbiology

Lab 1+2





1. All materials and clothes other than those needed for the laboratory are to be kept away from the work area



2. A lab coat or other protective clothing must be worn during lab. The lab clothing is not to be worn outside of the laboratory.



3. Clean the lab table before and after lab with the disinfectant solution provided.





4. Wash hands before leaving lab.



5. Any item contaminated with bacteria or body fluids must be <u>disposed</u> of properly. Disposable items are to be placed in the BIOHAZARD container. Reusable items are to be placed in the designated area for autoclaving prior to cleaning. Sharps are to be disposed of in the appropriate container.







- 6.Reusable items should have all tape and marks removed by the student before being autoclaved.
- 7. Because organisms used in this class are potentially pathogenic, aseptic technique must be observed at all times. NO eating, drinking, application of cosmetics or smoking is allowed. Mouth pipetting is not allowed.







8. Cuts and scratches must be covered with Band-Aids. Disposable gloves will be provided on request.



9. Long hair should be tied back while in lab.

Lab Safety Rules

6-Long hair must be tied back or covered to minimize fire hazard or contamination of experiments.



- 10. All accidents, cuts, and any damaged glassware or equipment should be reported to the lab instructor immediately.
- 11. Sterilization techniques will involve the use of <u>punsen flames</u> that are fire and burn hazards. Keep all combustibles away from the flames. **Do not** leave inoculating loops or needles propped in the flame



12. Microscopes and other instruments are to be cared for as directed by the instructor.



13. It is the responsibility of the student to know the location and use of all safety equipment in the lab (eyewash, fire extinguisher, etc.)



14. Cultures may not be removed from the lab. Visitors are not allowed in the lab.



15. Doors and windows are to be kept closed at all times.



16. For the best lab experience, read labs before coming to class. Make notes as necessary. Wait for a laboratory introduction by the instructor before starting work.





Reading labs before coming to class

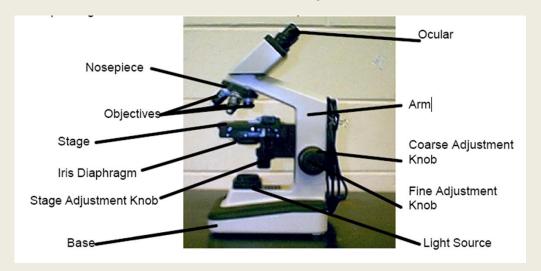


Make . notes as necessary



Wait for a laboratory introduction by the

Mícroscope



----- Hand washing -----

- Types of bacteria on hands
- Normal flora
- Transient bacteria

من الأمثلة على البكتيريا الصديقة التي تعيش على الجلد:

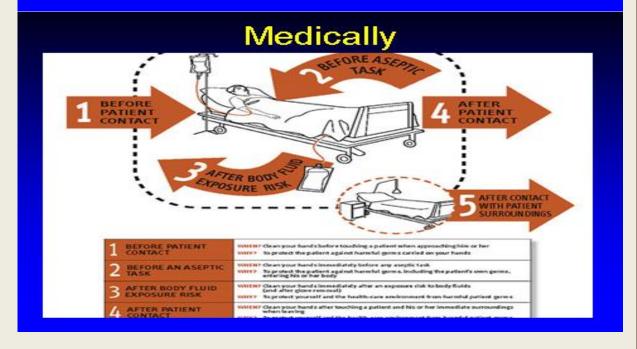
Staphylococcus aureus



• Washing hands can keep you healthy and prevent the spread of many infections such as respiratory and diarrheal infections from one person to the next.







غسدهم جيداً حيل و جنح الصا بون



Agood hand washing technique involves wetting the hands under running water before applying liquid soap.

Hand washing - How

- The hands should be rubbed together for 15 20 seconds so that the soapy water comes into contact with all surfaces of each hand, (See figure):
- It is important to wash under any rings and it is advisable to remove wristwatches before washing.

في سال أن لا سي خام عند تحته



Hands should be rinsed thoroughly and then dried with paper towels.

Hand washing - steps



Wet hands with water



Apply enough soap to cover all hand surfaces



Rub hands palm to palm



Rub back of each hand with palm of other hand with fingers interlaced



Rub palm to palm with fingers interlaced



Rub with back of fingers to opposing palms with fingers interlocked



Rub each thumb clasped in opposite hand using a rotational movement



Rub tips of fingers in opposite palm in a circular motion



Rub each wrist with opposite hand



Rinse hands with water



Use elbow to turn off tap



Dry thoroughly with a single-use towel

practical

